

CLAIMS

1 Thermoplastic/polyester compositions comprising, by weight:

(i) a thermoplastic polyester;

5 (ii) an impact modifier comprising:

(a) a core-shell copolymer (A);

(b) an ethylene copolymer (B) ~~chosen~~^{selected} from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;

(iii) the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively;

(iv) the (B)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively, and advantageously between 5 and 18% in 95 to 82% of polyester respectively.

2 Compositions according to Claim 1, in which the polyester is
 selected from PET and PBT.

3 Compositions according to Claim 1 ~~or 2~~, comprising up to 30 parts by weight of copolyetherester per 100 parts of thermoplastic polyester.

4 Compositions according to ~~any one of the preceding claims~~,
comprising up to 30 parts by weight of polycarbonate per 100 parts of
thermoplastic polyester.

5 Compositions according to ~~any one of the preceding claims~~, in which the copolymer (A) comprises an elastomer core and at least one thermoplastic shell.

6 Compositions according to ~~any one of the preceding claims~~ ^{claim 1}, in which the copolymers (B1) are ethylene-alkyl (meth)acrylate-maleic anhydride copolymers which comprise from 0.2 to 10% by weight of maleic anhydride and from 0 to 40%, ~~preferably 5 to 40%~~, by weight of alkyl (meth)acrylate.

7 Compositions according to ~~any one of Claims 1 to 5~~ ^{claim 1}, in which the ethylene-unsaturated epoxide copolymers (B2) are ethylene-alkyl (meth)acrylate-unsaturated epoxide copolymers obtained by copolymerization of the monomers and contain from 0 to 40% by weight of alkyl (meth)acrylate and up to 10% by weight of unsaturated epoxide.

8 Compositions according to ~~any one of the preceding claims~~ ^{claim 1}, comprising, per 100 parts by weight, 75 to 95 parts of polyester for 25 to 5 parts of impact modifier, respectively.

9 Compositions according to ~~any one of the preceding claims~~ ^{claim 1}, in which the proportions of (A) and (B) are ~~such~~ that the (B)/(A) ratio is between 40/60 and 25/75, whatever the amount of impact modifier in the polyester.

10 Impact-modifier compositions comprising:

- (a) a core-shell copolymer (A);
- (b) an ethylene copolymer (B) ^{selected} ~~chosen~~ from ethylene-unsaturated carboxylic acid anhydride copolymers (B1), ethylene-unsaturated epoxide copolymers (B2) and blends thereof;
- the (B)/(A) ratio being between 40/60 and 10/90 for proportions of impact modifier between 18 and 40% in 82 to 60% of polyester, respectively,
- the (B)/(A) ratio being between 40/60 and 25/75 for proportions of impact modifier between 2 and 18% in 98 to 82% of polyester, respectively, and advantageously between 5 and 18% in 95 to 82% of polyester, respectively.

Add A3

Add B2

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